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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/608,690	06/27/2003	Ram Gopal Lakshmi Narayanan	042933/263792	9684

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EXAMINER

WILLIAMS, JEFFERY L

ART UNIT PAPER NUMBER

2137

DATE MAILED: 01/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/608,690

Applicant(s)

NARAYANAN, RAM GOPAL  
LAKSHMI

Examiner

Jeffery Williams

Art Unit

2137

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 06 November 2002.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 November 2002 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |                                                                                                                                                   |                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                                                       | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                                              | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>6/1/04, 8/8/03</u> | 6) <input type="checkbox"/> Other: _____                                                |

**DETAILED ACTION**

Claims 1 – 20 are pending.

***Drawings***

Figures 1, 2, 3, 5A, and 5B should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: Page 13, lines 1 – 3 disclose the interaction of the protocol stack with SAD 56a and SPD 56b. Reference signs 56a and 56b are not shown in figure 4. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the

sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 – 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Boden et al. (Boden), "System and Method for Managing Security Objects", U.S. Patent 6,330, 562.

Regarding claim 1, Boden discloses:

*providing at least one security policy, wherein each security policy includes an application instance identifier associated with a security service (2:31-41, 59-65; 2:66 – 3:20; 3:24-31; table 1).* Boden discloses providing a security policy stored within a

1 policy database, wherein the policy contains usual ipsec selectors in addition to custom  
2 application identifiers for performing user and vpn application security services (see  
3 also, 6:2-51).

4 *and creating at least one security association, wherein the at least one security*  
5 *association is created based upon the security service associated with the application*  
6 *instance identifier to thereby create a centralized key store including the at least one*  
7 *security policy and at least one security association (figs. 3-3d; 3:23-36).*

8  
9 Regarding claims 6 and 11 they are rejected, at least, for the same reasons as  
10 claim 1, and because Boden further discloses:

11 *a first security gateway capable of applying a security service associated with an*  
12 *application instance identifier to at least one packet of data to thereby transform the at*  
13 *least one packet of data, wherein the first security gateway is capable of applying the*  
14 *security service to the at least one packet based upon at least one security policy and at*  
15 *least one security association (fig. 1; 3:60-4:4; 6:13-31; 11:table 1); and a second*  
16 *security gateway capable of applying the security service associated with the*  
17 *application instance identifier to the at least one transformed packet of data to thereby*  
18 *generate a representation of the at least one packet of data (fig. 1; 3:60-4:4; 6:13-31;*  
19 *11:table 1);*

20

21

1           Regarding claims 2, 3, 9, 12, and 14, Boden further discloses a system  
2   comprising sending and receiving gateways. Each gateway further comprises a  
3   VPN/user application capable of creating and accessing policies within a policy  
4   definition database (3:60-4:16). Both the sending and receiving gateways receive and  
5   transmit packets of which are transformed upon transmission or reception according to  
6   (application identified) security services, such as VPN connections (security  
7   associations) between nodes (3:1-20; 3:60-4:16; fig. 1).

8  
9           Regarding claims 4, 8, and 13, Boden further discloses:  
10       *at least one security policy further including at least one selector field having at*  
11   *least one selector value in a format common to a plurality of security service protocols,*  
12   *and wherein applying the security service comprises applying the security service*  
13   *further based upon the at least one security policy including the at least one selector*  
14   *value (11:table 1; figs. 3-3d; 13:13-50; 13:62-14:25).* Boden discloses a security policy  
15   having common selector fields in addition to the application defined identifiers, wherein  
16   security services are based upon the selector fields.

17  
18       Regarding claims 7, it is rejected, at least, for the same reasons as claims 1 and  
19   6.

20  
21       Regarding claims 5, 10, and 15, Boden further discloses *creating at least one*  
22   *security association according to an Internet Key Exchange (IKE) technique (3:60-4:16).*

Regarding claims 16 – 20, they are the features and limitations of the above rejected claims embodied as computer instructions upon a medium. Thus, they are rejected, at least, for the same reasons as the above rejected claims, and further because Boden discloses *a computer program product for creating and maintaining a centralized key store* (15:62-16:6).

## Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

**see Notice of References Cited**

A shortened statutory period for reply is set to expire **3 months** (not less than 90 days) from the mailing date of this communication.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffery Williams whose telephone number is (571) 272-7965. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on (571) 272-3865. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jeffery Williams  
Assistant Examiner  
Art Unit 2137



  
**EMMANUEL L. MOISE**  
**SUPERVISOR PATENT EXAMINER**